The new 1991-2020 climatic averages for Astoria have shown a slight increase in temperatures, with the largest changes being May, as well as the summer months of July and August. Trends with precipitation are more mixed, with wetter months overall, except for summer months (*June through August*). Total annual rainfall increased by 3.00 inches (*up 4.5%*) over the prior normals (*1981-2010*).

Highlights

- Warmer through most of the year, but tad cooler for January through March
- Wetter through most of the year, but bit drier in summer
- Wetter months come in combos: December/January, March/April, and September/October
- More rainy days with measureable rainfall expected per year

1991-2020 ANNUAL Normals and Changes *(compared to 1981-2010 normals)*

	Temperature Data					Precipitation Data				
	Mean T	Max T	Min T	Tx≥90	Tn≤32	Total	DY≥.01	DY≥.10	DY≥.50	DY≥1.0
Normal	**51.5°**	58.4°	44.5°	0.6	29.1	**70.26"**	195.9	131.1	46.7	16
Δ normals	*+0.2°*	*-0.2°*	*+0.6°*	*+0.6*	*+0.8*	*+3.00"*	*+4.8*	*+3.3*	*+2.1*	*+1.6*

1991-2020 SEASON[1] Normals and Changes *(compared to 1981-2010 normals)*

Winter	Temperature Data					Precipitation Data				
	Mean T	Max T	Min T	Tx≥90	Tn≤32	Total	DY≥.01	DY≥.10	DY≥.50	DY≥1.0
Normal	**43.7°**	49.6°	37.7°	0	19.5	**28.45"**	62.4	48.0	20.4	7.1
Δ norms	*+0.1°*	*-0.4°*	*+0.5°*	*0*	*-0.3*	*+1.17"*	*+2.7*	*+2.1*	*+1.0*	*+0.4*

Spring	Mean T	Max T	Min T	Tx≥90	Tn≤32	Total	DY≥.01	DY≥.10	DY≥.50	DY≥1.0
Normal	**49.4°**	56.5°	42.3°	0.1	4.7	**17.10"**	56.2	37.9	10.6	3.0
Δ norms	*+0.1°*	*-0.4°*	*+0.5°*	*+0.1*	*+0.3*	*+1.13"*	*+0.4*	*+1.1*	*+0.6*	*+0.7*

Summer	Mean T	Max T	Min T	Tx≥90	Tn≤32	Total	DY≥.01	DY≥.10	DY≥.50	DY≥1.0
Normal	**59.8°**	66.7°	52,8°	0.5	0	**4.25"**	29.5	11.5	1.8	0.5
Δ norms	*+0.4°*	*+0.0°*	*+0.7°*	*+0.5*	*0*	*-0.49"*	*+0.6*	*-0.6*	*-0.7*	*-0.1*

Fall	Mean T	Max T	Min T	Tx≥90	Tn≤32	Total	DY≥.01	DY≥.10	DY≥.50	DY≥1.0
Normal	**52.9°**	60.6°	45.2°	0.1	4.9	**20.46"**	47.8	33.7	13.9	5.4
Δ norms	*+0.3°*	*-0.1°*	*+0.6°*	*+0.1*	*+0.8*	*+1.19"*	*+1.1*	*+0.7*	*+1.2*	*+0.6*

[1] *Winter months are DJF (Dec, Jan, Feb), Spring (MAM), Summer (JJA), and Fall (SON).*

1991-2020 Normals for Temperature *(and change, Δ, as compared to 1981-2010 normals)*

	Mean T	Δ T	Max T	Δ Tx	Min T	Δ Tn	Days Tx≥90	Δ Tx90	Days Tn≤32	Δ Tn32
Jan	43.7	-0.1	49.4	-0.4	38.1	+0.4	0	0	6.3	0.0
Feb	44.2	-0.2	50.9	-0.7	37.4	+0.2	0	0	6.5	+0.5
Mar	46.0	-0.4	53.0	-0.8	39.0	+0.1	0	0	3.8	+0.4
Apr	48.7	0.0	55.9	-0.5	41.5	+0.5	0	0	0.9	-0.1
May	53.4	+0.4	60.5	+0.1	46.3	+0.7	0.1	+0.1	0	0
Jun	57.3	+0.3	64.0	+0.1	50.6	+0.6	0.1	+0.1	0	0
Jul	60.6	+0.3	67.4	0.0	53.9	+0.8	0.1	+0.1	0	0
Aug	61.3	+0.4	68.7	0.0	53.9	+0.8	0.3	+0.3	0	0
Sep	59.0	+0.5	67.6	0.0	50.5	+1.1	0.1	+0.1	0	0
Oct	52.8	+0.2	60.7	-0.2	44.9	+0.7	0	0	0.6	+0.1
Nov	46.9	+0.1	53.6	+0.1	40.2	+0.1	0	0	4.2	+0.6
Dec	43.2	+0.5	48.7	0.0	37.6	+1.0	0	0	6.6	-0.9

1991-2020 Normals for Precipitation *(and change, Δ, as compared to 1981-2010 normals)*

	Total (inches)	Δ P (inch)	Δ P (%)	Days P≥0.01	Δ D01	Days P≥0.10	Δ D10	Days P≥0.50	Δ D50	Days P≥1.00	Δ D1
Jan	10.59	+0.39	+3.8%	21.6	+0.2	17.3	+0.7	8.1	+0.5	2.6	+0.1
Feb	7.18	-0.01	-0.1%	18.8	+1.1	13.9	+0.7	5.0	0.0	1.6	+0.1
Mar	7.90	+0.45	+6.0%	21.5	+0.5	16.1	+0.7	5.1	+0.2	1.8	+0.3
Apr	5.80	+0.60	+11.5%	19.2	+0.8	12.8	+0.5	3.5	+0.2	0.8	+0.3
May	3.40	+0.08	+2.4%	15.5	-0.9	9.0	-0.1	2.0	+0.2	0.4	+0.1
Jun	2.30	-0.25	-9.8%	13.7	+0.5	6.7	-0.1	0.9	-0.5	0.2	-0.1
Jul	0.83	-0.20	-19.4%	8.1	-0.2	2.3	-0.4	0.2	-0.2	0.1	0.0
Aug	1.12	-0.04	-3.4%	7.7	+0.3	2.5	-0.1	0.7	0.0	0.2	0.0
Sep	2.67	+0.53	+24.8%	10.1	+0.7	5.5	+0.5	1.4	+0.3	0.6	+0.3
Oct	6.74	+0.76	+12.7%	16.6	+0.7	11.6	+0.8	4.6	+0.7	1.7	+0.2
Nov	11.05	-0.10	-0.9%	21.1	-0.3	16.6	-0.6	7.9	+0.2	3.1	+0.1
Dec	10.68	+0.79	+8.0%	22.0	+1.4	16.8	+0.7	7.3	+0.5	2.9	+0.2

For more information, visit the National Weather Service Portland at: **weather.gov/portland**
or NOAA's New 1991-2020 Climate Normals at: **www.ncei.noaa.gov/products/climate-normals**